

ABSTRACT OF THE DISCLOSURE

A system and method for implementing hardware event driven soft real-time interrupts on a serial bus. In one embodiment, the serial bus comprises a universal serial bus. One embodiment of the presently described system includes a client device coupled to a host device. In one embodiment, the host places the client device in an interrupt mode by causing the client device to enter a suspend state. While in the interrupt mode, the client device sends an interrupt request signal to indicate it has interrupt data. In one embodiment, the host device indicates to the client device to enter the interrupt mode by sending a set interrupt mode signal. In response, the client device enters the interrupt mode and sends an interrupt request signal to the host to indicate it has interrupt data.

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